

**ASSISTANT TEST ENGINEER  
NEW PRODUCT DEVELOPMENT  
ROYAL ENFIELD R&D**

**Bharanidharan M**

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## SUMMARY

- An innovative and ambitious Diploma in Mechanical Engineering with strong entrepreneurial attitude and technical skills.
- 2 years of experience in Automobile Vehicle Assembly concepts and Research development testing concepts.
- Good working experience in Automobile components testing and servicing.
- Good exposure in testing components.
- Vehicle testing analysis.
- Testing, maintaining and modifying existing system.

## CAREER OBJECTIVE

Seeking for a challenging career which demands the best of my professional ability in terms of technical and analytical skills, and helps me in broadening and enhancing my current skills and knowledge.

- Specially interested in product development and innovative engineering.
- Excellent in adopting new technologies related to automobiles and its applications.
- To create continuous self development, learning, and implementing new concepts.
- To get acquainted with the working environment to my level best for its improvement and enhancement.

## SKILLS

**Adaptability**

**Multi tasking**

**Decision making**

**Problem solving**

## EXPERIENCE

**Nov-2020 - Till Today**

**Assistant Test Engineer**

**Royal Enfield**

- Vehicle testing done for all two wheeler mid-size motorcycle segments.
- Vehicle level and component level test and benchmark activities.
- Vehicle level durability activities like Tyre wear measurement, vehicle daily monitoring, Brake testing, drive ability test, handling trials, Race track testing, Off-road testing, etc.
- Built complete New Product (Proto sample and running changes sample) new project and current project issues, service issues for design change purpose.
- Preparing the vehicle of ARAI, emission test, COP, vehicle Type approval.
- Preparation of test check sheet, SOP and maintenance of records.
- Validate the structural test parts for chassis, Swing arm, Suspension, steering.
- Quality assurance and Durability proving of 60000 kms, on all models of vehicle and analysing after target completes making record.
- Vehicle related initial checks and measurements for starting durability test monitoring.
- Fatigue analysis for cables and foot pegs and check components reliability.
- Customer complaints study and field failure simulation in test laboratory and root cause found.
- Create accelerated test cycles for brakes, tyres, transmission and critical components to reduce the lead time to testing.
- Vehicle strip down analysis and complete test report preparation for Onroad durability vehicles.
- Vehicle development and validation.
- Conductive feedback session with test riders.
- Field failure simulation and finding root cause analysis for the same.
- New parts implementation and validation in vehicles.
- Create driving patterns based on product and priorities.
- Planning and execution for test riders.

## EDUCATION

Degree/Course	Percentage/CGPA	Year of Passing
<b>DIPLOMA IN MECHANICAL ENGINEERING</b> Sudharshana Polytechnic College , Directorate of Technical Education	84% %	2020

## ACHIEVEMENTS

- All stages tested in the engine are the most experienced and Zero launch issues.
- Forecast like engine fitment, electrical system and wheel assembly.
- Have a knowledge about function of engine parts and input some different test methods.
- I've done KAIZEN improvements related to testing.
- Generated monthly test reports to management against forecast.

## STRENGTHS

Creativity, Dedication, Respectfulness, Patience

## SOFTWARE SKILLS

Ms Office

Google Excel

## WORK RELATED TO PROJECTS (METEOR 350, REBORN CLASSIC 350, HUNTER 350)

- Complete vehicle and engine validation on road durability testing.
- Brake system development and optimisation in terms of brake life.
- Tyre life validation on different terrains.
- Initial measurement carried out before starting durability.
- Race track and PAVE durability testing carried out.
- Issue tracking sheet preparation and root cause analysis.
- Durability test preparation.

## PERSONAL DETAILS

Address	246, South Street, Kunavasal Cuddalore, Tamil Nadu, 608306
Passport detail	V1815756
Date of Birth	05-Aug-2022
Gender	Male
Nationality	Indian
Marital Status	Single
Languages Known	English, Tamil

## DECLARATION

I hereby declare that all the details furnished here are true to the best of my knowledge and belief.



Bharanidharan M